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## Abstract of the Disclosure

An apparatus of identifying software components includes a user interface unit for obtaining object dependency and object usages information from a user; a unit of defining dependency weights for calculating weights of inter-object dependency based on the object dependency and the usages information; a unit of generating an object dependency network for representing the degrees of object importance and interobject dependency by using the dependency weights; and a unit identifying software components for controlling identification component process by using the dependency network and the threshold values inputted by a user.